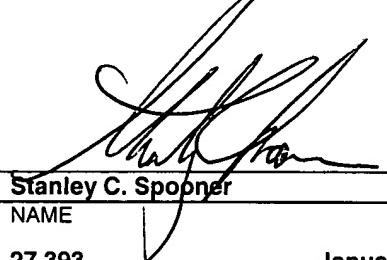


FORM PTO-1390 MODIFIED	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 124-1101
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <b>10/520,850</b> (unassigned)	
INTERNATIONAL APPLICATION NO. <b>PCT/GB2003/002865</b>	INTERNATIONAL FILING DATE <b>3 July 2003</b>	PRIORITY DATE CLAIMED <b>11 July 2002</b>	
<b>TITLE OF INVENTION</b> <b>PHOTODETECTOR CIRCUITS</b>			
<b>APPLICANT(S) FOR DO/EO/US</b> <b>ROBBINS et al</b>			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The U.S. has been elected (Article 31).</p> <p>5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (2 face pages, 12 pages specification, claims &amp; abstract (24 claims), 3 sheets drawings – Figs. 1-10).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings,      page Certificate of Translation).</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. a. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 To 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. a. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>b. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information. International Search Report</p>			

U.S. APPLICATION NO. (if known; see 37 C.F.R. 1.5) <b>107520850</b> (unassigned)		INTERNATIONAL APPLICATION NO. <b>PCT/GB2003/002865</b>		ATTORNEY'S DOCKET NUMBER <b>124-1101</b>																											
21. <input checked="" type="checkbox"/> The following fees are submitted:																															
<b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>																															
<input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00 (1631)/\$150.00 (2631) <input checked="" type="checkbox"/> b) Examination Fee ..... \$200.00 (1633)/\$100.00 (2633) <input checked="" type="checkbox"/> c) Search Fee ..... \$500.00 (1632)/\$250.00 (2632)																															
<b>TOTAL OF ABOVE CALCULATIONS</b> ..... \$1000.00/\$500.00																															
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																															
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE																											
15 -100	0 /50 =	0.00		\$0.00 (1681) \$0.00 (2681)	\$																										
Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e).																															
<table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th># EXTRA</th> <th colspan="3">RATE</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>24</td> <td>minus 20 =</td> <td>4 X</td> <td>\$50.00 (1615)/ \$25.00 (2615)</td> <td>\$</td> <td>200.00</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>minus 3 =</td> <td>0 X</td> <td>\$200.00 (1614)</td> <td>\$100.00 (2614)</td> <td>\$</td> </tr> <tr> <td colspan="6">MULTIPLE DEPENDENT CLAIMS(S) (if applicable) \$360.00 (1616)/\$180.00 (2616)</td> </tr> </tbody> </table>						CLAIMS	NUMBER FILED	# EXTRA	RATE			Total Claims	24	minus 20 =	4 X	\$50.00 (1615)/ \$25.00 (2615)	\$	200.00	Independent Claims	2	minus 3 =	0 X	\$200.00 (1614)	\$100.00 (2614)	\$	MULTIPLE DEPENDENT CLAIMS(S) (if applicable) \$360.00 (1616)/\$180.00 (2616)					
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MULTIPLE DEPENDENT CLAIMS(S) (if applicable) \$360.00 (1616)/\$180.00 (2616)																															
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)																															
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f).																															
<b>TOTAL NATIONAL FEE =</b> \$ 1560.00																															
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$ (8021) per property + \$ 40.00																															
Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453)																															
<b>TOTAL FEES ENCLOSED =</b> \$ 1600.00																															
<table border="1"> <tr> <td colspan="2"></td> <td>Amount to be: refunded</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td>Charged</td> <td>\$</td> </tr> </table>								Amount to be: refunded	\$			Charged	\$																		
		Amount to be: refunded	\$																												
		Charged	\$																												
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.																															
b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$ _____ to cover the above fees. A duplicate copy of this form is enclosed.																															
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A <u>duplicate</u> copy of this form is enclosed.																															
d. <input checked="" type="checkbox"/> <b>CREDIT CARD PAYMENT FORM ATTACHED.</b>																															
e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/GB2003/002865 and any U.S. and foreign application(s) corresponding thereto, and GB 0216069.5, referred to in this application is/are hereby incorporated by reference in this application.																															
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.																															
CORRESPONDENCE ADDRESS																															
Direct all correspondence to:																															
<input checked="" type="checkbox"/> Customer Number: <b>23117</b> <small>Type Customer Number here</small>																															
 <b>Stanley C. Spooner</b> <small>NAME</small>																															
<small>27,393</small> <b>January 11, 2005</b> <small>REGISTRATION NUMBER</small> <small>Date</small>																															

Telephone: (703) 816-4000  
SCS:kmm

Type Customer Number here

Type Customer Number here

Stanley C. Spooner

**Start**  
**NAME**

27.393

January 11, 2005

Date